



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

PRELIMINARY ISSUE

650.6513
Job Sheet 211490



Part No: 650.6513

Job Qty: 3 pcs

Part Name: Thermal Adapter



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/17/20

Job Tracking No:

Due Date: 7/31/20

Created By: Jennifer Renwick

Type: SOLD

Description:

Note: 650.6500 REV. PB2 IPP REV:A 20.06.25 NEW ISSUE DD VERF:JFS

Ship Via:

139 Valve

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	SL-154 - 1	3 pcs	7/31/20		1.00	0.75	Doosan - 1		JB 20-07-27
							NLX 2500SY - 1		
							SL-154 - 1		
							SL-2500Y - 1		
110	QC 2	3 pcs	7/31/20		0.00	0.00	QC 2 - 1		JB 20-07-27
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S290149



Part: 650.6513

Job No: 211490

Serial No/Batch: S290149

Revision: REV.PB2

Inspector:

Exp Date:

Instructions:

Date: 07/27/20

Plex 7/17/20 1:12 PM Dart.Renwick.Jennifer

DAS
62
9-89

DAS
62
9-89

					QC 2 - 66	
					QC 2 - 64	
					QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 2 - 76	
					QC 2 - 86	
					QC 2 - 83	
120	QC 8	3 pcs	7/31/20	0.00 0.00	QC 8 - 12	
					QC 8 - 14	20/07/28
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
					QC 8 - 76	
					QC 8 - 61	
					QC 8 - 66	
					QC 8 - 73	
					QC 8 - 82	
130	Outsource - 17 - Passivate	3 pcs	7/31/20	0.00 0.00	GROO02	2020-07-29
140	Packaging 2-1 - Receive - B4B	3 pcs	7/31/20	0.00 0.00	Packaging 2 - 1 - B4B	
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	2020-08-06
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	

				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 37 - B4B	
150 QC 6	3 pcs	7/31/20	0.00 0.00	QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
				QC 6 - 81	
				QC 6 - 82	
					DAS 82 9-89 AUG 17 2020
160 Packaging 3-1 - Stock - B4B	3 pcs	7/31/20	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 37 - B4B	
170 QC 21 - SA	3 pcs	7/31/20	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 9	
					DAS 21 9-89 AUG 18 2020

Part Op 100 - ****CRITICAL PART - EXTREME CARE MUST BE TAKEN**** 1-Machine as per folio F FOLIO REV: AA
 Descriptions: DWG REV: PB2 2-Debur
 110 - QC2- Inspect parts off machine FAI/FAIB
 120 - QC8- Inspect parts - second check
 130 - Issue P/O; 46807 PASSIVATE IAW QQ-P-35C, TYPE II -Material type; 303 stainless steel -Certificate of
 Conformity is required
 140 - Certificate of Conformity is required
 150 - QC6- All purchased or subcontracted products
 160 - Identify as per dwg & Stock ****CRITICAL PART - EXTREME CARE MUST BE TAKEN**** ****MUST ENSURE THE
 COMPONENTS ARE NEVER DAMAGE****
 170 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M303R1.000	303 Round Bar 1.00	.1680 ft (.056 ea)	100-SL-154 - 1	S750215

Job Allocations

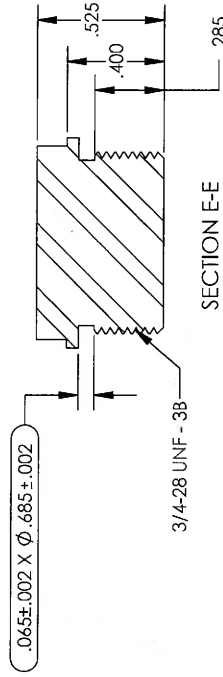
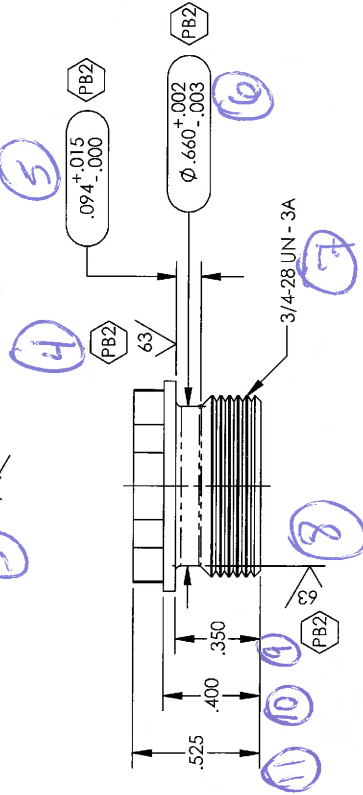
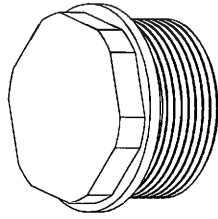
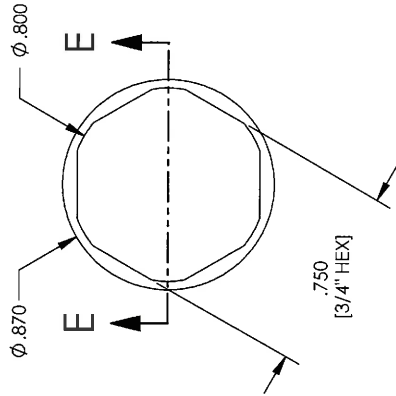
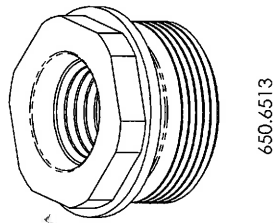
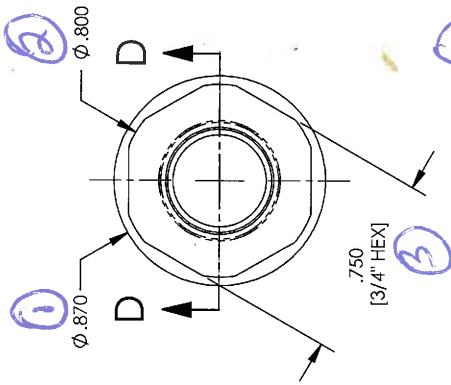
Operation	Component Part	Required	Inventory	Allocated
100-SL-154 - 1	M303R1.000	0	43	0

Part Specifications

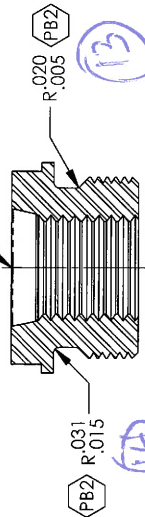
Specifications could not be found.

Plex 7/17/20 1:12 PM Dart.Renwick.Jennifer

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES, INC. ANY VIOLATION OF THIS PERMISSION IS PROHIBITED.



PORT PER SAE J1926-4
UNLESS OTHERWISE SPECIFIED



SECTION D-D

ORIGINAL DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE
DATE 10/10/14	APPROVED P. BRAY	3000 ENTERPRISE CT. SUITE A VISTA, CA 92081 APICAL INDUSTRIES, INC. 950 DART AEROSPACE

PORT ADAPTERS

SHEET	3 OF 6
SCALE	NONE
DWG. NO.	650.6500
REV.	P82

Work Order:	211490
Part Number:	650.6513
	Page 1 of 1

[illegible]

Measured by: JB 9-89	Checked by: [Signature]	QC Inspector:
Date: 20.07.27	Date: 20/07/28	Date:

Engineering Approval: (If necessary)		Date:	
--	--	--------------	--

Rev	Date	Change	Revised by	Approved
A	27-Jul-20	New Issue	MG	

Mitutoyo **SurfTest SJ-400**

DATE 2000-02-17
TIME 20:35:24

STAND JIS2001
PROFILE R
FILTER GAUSS
EVA-L 0.016in
N 5
 λ_c 0.003in
 λ_s 100 μ in
TILT-COMP. ALL
CURVE-CMP. OFF
M-SPEED 0.004in/s
R-SPEED 0.04in/s
AUTO-RTN ON
RANGE 32000 μ in
 $\pm$ ESC
DRIVE ON
STYLUS STAND
PRE/POST ON

R-PROFILE

EVA-L 0.016in
 λ_c 0.003inX5

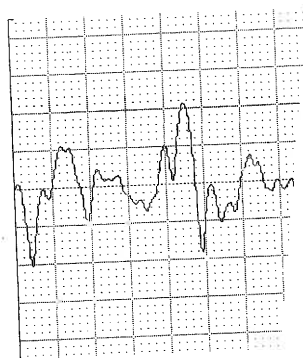
Ra 5.2 μ in
Rz 32 μ in
Rq 6.6 μ in

R-PROFILE

EVA-L 0.016in
 λ_c 0.003inX5

$\rightarrow$ x 20K
x500

Ver. 50.000 μ in/in
Hor. 0.002in/in



**Special Comments:**

https://www.plexonline.com/04069d64-e2db-4f86-83d6-091696f47acc/Plexus_Control/Report_View_2.asp?rv=u%1E...%2FPurchasing%2FPO Print.... 1/3



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB046807



Items

Line Item	Job	Part	Drawing	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	211490	650.6513	650.6500 REV.PB2	Thermal Adapter -Issue P/O; PASSIVATE IAW QQ-P-35C, TYPE II -Material type; 303 stainless steel -Certificate of Conformity is required	Firmed X3	-	8/6/20	3 pcs	0 pcs	3 pcs	\$8.3333/pcs	\$25.00
4	211507	650.7910	650.7900 REV-PA1	Shroud -Issue P/O; PASSIVATE IAW QQ-P-35C, TYPE II -Material type; 303 stainless steel -Certificate of Conformity is required	Firmed X3	-	8/6/20	3 pcs	0 pcs	3 pcs	\$8.3333/pcs	\$25.00
5	210646	650.7710	650.7700 Rev.PF1	Electric Cap -Issue P/O; PASSIVATE IAW QQ-P-35C, TYPE II -Material type; 303 stainless steel -Certificate of Conformity is required	Firmed X2	-	8/6/20	2 pcs	0 pcs	2 pcs	\$8.3333/pcs	\$16.67
Grand Total:												\$100.00

Handwritten signature: H. Guerin



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB046807



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/30/20 1:09 PM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance



2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

029928 - 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
31-Jul-2020		Ian Wilson		POHB046807				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	654.6513 Rev.	654.6513 01 - PASSIVATION-NITRIC #4 [PASSIVATION NITRIC #4] QQ-P-35C, TYPE II	PASSIVATION CH	2	2	0	0	0
2	650.6515 Rev.	650.6515 01 - PASSIVATION-NITRIC #4 [PASSIVATION NITRIC #4] QQ-P-35C, TYPE II	PASSIVATION CH	2	2	0	0	0
3	650.6513 Rev.	650.6513 01 - PASSIVATION-NITRIC #4 [PASSIVATION NITRIC #4] QQ-P-35C, TYPE II	PASSIVATION CH	3	3	0	0	0
4	650.7910 Rev.	650.7910 01 - PASSIVATION-NITRIC #4 [PASSIVATION NITRIC #4] QQ-P-35C, TYPE II	PASSIVATION CH	3	3	0	0	0
5	650.7710 Rev.	650.7710 01 - PASSIVATION-NITRIC #4 [PASSIVATION NITRIC #4] QQ-P-35C, TYPE II	PASSIVATION CH	2	2	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

LIVE 5

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R1.000

DATE: JAN 24 2020

PO / BATCH NO.: POH13045541

S250215

MATERIAL CERT REC'D: YES

QUANTITY RECEIVED: 36PT

QUANTITY INSPECTED: 36PT

QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.1.000

THICKNESS RECEIVED: 0.1.000

SHEET SIZE ORDERED: —

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y ☒ N	
CORRECT FINISH	☒ Y N	
CORROSION	Y ☒ N	
CORRECT GRAIN DIRECTION	☒ Y N	
CORRECT MATERIAL PER M-DRAWING	☒ Y N	ASTM A582 / AMS 5640
CORRECT THICKNESS	☒ Y N	
PHOTO REQUIRED	Y ☒ N	
CORRECT REF # TO LINK CERT	☒ Y N	432071
CORRECT MATERIAL IDENTIFICATION	☒ Y N	
CORRECT M# ON THE MATERIAL	☒ Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y ☒ N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y ☒ N	

AUG 17 2020

DAS 82 9-89

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.

RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: _____

DAS
82

SIGNED OFF BY: _____

DATE: JAN 24 2020

9-89

DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.868211 - Fax 0444.868338
Stab.: 36100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004), 3.1 / ISO 10474 (2013), 3.1**

Certificato nr. **MEST432174 / 2019 /**
Prüfung/Tust/Exam

Cliente / Abnehmer/Kunde/Client

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Hersteller/Manufacture/produced

ACCIAIERIE VALBRUNA S.P.A.

Ordine nr. **903007442 Stock - Canada**
Gistall
Your order
Commande

Tipo di Elaborazione: **E+AOD**
Erstellungsvorgang
Melting process
Mode d'élaboration

Marchi di Fabbrica:
Zeichen des Unternehmens
Tijds merke
Signes de l'usine produisant



Conferma ordine nr: **EI19002981**
Wurde/Our Order/Ref. nr.

Qualità: **303HS**
Werkstoff/Grade/No. of

Punzone del Collaudatore:
Stempel des Werkstoffverantwortigen
Inspector's stamp/Polym de l'essayeur

MR

Avviso di Spedizione: **D-BZ19004707**
Lieferanweisung/Packing instr.

Marca: **MV183ZHS (MAXIVAL)**
Markenbezeichnung
Brand / Name

Punzonatura: **303HS**
Kennzeichnung
Marking
Marquage

SPECIFICHE:

Anforderungen / Requirements / Exigences

Note:

Anmerkungen / Notes / Notes

VSI 0 303 HS A,CF
AISI 303
AMS 5640 V S30300 A
AMS 5640 V TYPE 1 A
ASME SA320 2017 B8F (0)
ASTM A314 2016 S30300
ASTM A320 2017 A B8F (1)
ASTM A320 2017
ASTM A582 2012 S30300 A (2)
MIL-S-882 B/1 303
QQ-S-784 B/2 303 A

DAS
82
9-89

(0) Section II Part A 2017 EDITION Chemical analysis only.

(1) Chemical analysis only.

(2) Reapproved 2017.

Tolleranza: **ASTM A184-18A TABLE 7**

Tolleranz/Allowance/Tolerance

Pos. nr. Pos. Nr. Nr. de pos.	Oggetto Objet Prüfung Description Description	Dimensioni - In Abmessungen Dimensions Dimensions	Lunghezza - In Länge Length Longueur	Colata Guss Fusion Fusion	Pezzi Stückzahl Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Los Lot Lote
0010	Round	1,0000	146/ 148	432071	1	5.849	828910830

TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf lieferbarem Produkt / Test à l'état de fourniture / Prueba sobre el material así como entregado

1) Lieferzustand / 1) Zustand bei Lieferung / 1) État de livraison / 1) Estado de entrega

TEST	Provenienza Provenance Ursprung Origin Origen	Pos. Pos. Pos.	Spessore Dipartimento Yield Stress Rp0.2 % K _{0.2}	Spessore Dipartimento Yield Stress Rp0.2 % K _{0.2}	Resistenza Zugfestigkeit Tensile Strength R _m R _m	Allungamento Zugdehnung Elongation A ₅ % A ₅	Strizione Elongation Reduction of area RA % RA	Resilienza Resilienz Resilience Resilience	Durezza Härte Hardness HB
Valori richiesti Anforderungen Requirements Requirements	min max								140 255
A	12,5	68	L	72	101	42	56		244

TEST ALLO STATO DI FORNITURA

Test on delivery condition / Prüfung auf lieferbarem Produkt / Test à l'état de fourniture / Prueba sobre el material así como entregado

TEST	min	max
A Grain size for ASTM E112		7

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung / Chemical Analysis / Analyse chimique

Colore / Aspect Schein / Color	min 0,030 max 0,060	0,20 1,00	1,60 2,00	17,00 19,00	0,05 0,08	1,00 1,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00	0,00 0,00
C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %					
432071	0,037	0,45	1,65	17,05	0,46	0,65	8,26	0,164	0,032	0,33	0,0012				

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2015, IATF 16949 : 2016, AS 9100

Vicenza, 02/07/19 VCO052 - MEST-332174	Il collaudatore di stabilimento der Werkstoffverantwortige / Works Inspector / L'agent d'usine M. RIZZOTTO	Direzione Qualità Qualitätsmanagement / Quality Management / Direction Qualité R. BERTELLI	Direzione Prodotto Produktmanagement / Product Management / Direction Produit P. MESSORI	Pagina 1 di 2
---	--	--	--	------------------

37634



Acciaierie Valbruna S.p.A.

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444.888211 - Fax 0444.893836
Sleb.: 36100 BOLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

CERTIFICATO DI COLLAUDO - ABNAHMEPRUEFZEUGNIS - INSPECTION CERTIFICATE - CERTIFICAT DE RECEPTION

In conformità a: **EN 10204 (2004) , 3.1 / ISO 10474 (2013) , 3.1**
Nachstehender Information

Certificate nr. **MEST432174 / 2019 /**
Prüfung/Contrôle

Cliente / Besteller/Kunden/Klient

Stato di fornitura: **Hot rolled - Annealed Cold Drawn**
Lieferzustand
Delivery state
Etat de livraison

Produttore:
Hersteller/Usine productrice

ACCIAIERIE VALBRUNA S.P.A.

Ordine nr: **803007442 Stock - Canada**
Bestell
Your order
Commande

Tipo di Elaborazione: **E+AOD**
Erschmelzungst
Melting process
Méthode d'affinage

Marchi di Fabbrica:
Zeichen des Lichtwerkes
Trade marks
Signes de l'usine productrice



Conferma ordine nr: **E119002981**
Werkstoffbestätigung

Qualità: **303HS**
Werkstoff/Grade/Numéro

Punzone del Collaudatore:
Stempel des Werkstoffprüfingen
Inspector's stamp/Plaque du l'inspecteur

MR

Avviso di Spedizione: **D-BZ19004707**
Lieferzustand/Packing for B.L.

Marca: **MV188ZHS (MAXIVAL)**
Markenbezeichnung
Brand / Marque

Punzonatura: **303HS**
Kennzeichnung
Marking
Marquage

Produced without class I-II Ozone depleting substances.
Solution heat treated free from continuous carbide network.
Micro and macro etch test : OK
Reduction ratio = 44,2 : 1
Annealing temperature : 1960° F for 1h/water.
Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt, Anlage erfüllt
The material has been furnished in accordance with the requirements
Les matériaux ont été fournis conformément aux exigences

Controllo antimiscelazione: OK
Verwechslungsprüfung: spezifisch/typisch durchgeführt
Antimixing testing performed: OK
Contrôle d'émulsionnage fait: sans

Controllo visivo e dimensionale: soddisfa le esigenze
Gezielung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel satisfaisant

Melted and manufactured in Italy

No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is also Certified according Pressure Equipment Directive 2014/68/EU Annex 1, chap. 4.3 by TÜV and LLOYD'S
Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.
Maxival and/or Valplus grade/products are manufactured with ladle techniques to control composition, distribution, size and shape of non-metallic inclusions for improved machinability.
The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER ACCORDING TO ISO 9001 : 2015, IATF 16949 : 2016, AS 9100D

Vicenza, 02/07/19
VCC052 - MEST432174

Il collaudatore di stabilimento
der Werkstoffüberprüfer / Works Inspector / Usine d'usine
M. RIZZOTTO

Direzione Qualità
Qualitätsmanagement/Quality Management/Direction Qualité
R. BERTOLLO

Direzione Produzione
Produktionsmanagement/Product Management/Direction Production
P. MESSORI

Pagina
2 di 2



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB045541**



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M303R0.625			303 Round Bar 0.625" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	1/24/20	24 ft	0 ft	24 ft	\$4.95/ft	\$118.80
5		M303R1.000		SR13	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	1/24/20	36 ft	0 ft	36 ft	\$11.40/ft	\$410.40
6		M4130NB0.500X03.000			4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528 CUT TO SIZE 14" receive ft	Firmed	-	1/24/20	47 ft	0 ft	47 ft	\$30.57407/ft	\$1,436.98
Line Item Note 47 ft = to 40 pcs cut to 14"													
7		MSTEEL-A2-B0.500X1.250	MSTEEL-A2		AISI A2 Tool Steel Bar, 0.500 X 1.250 : MATERIAL: AISI A2 STEEL, ANNEALED CONDITION AS PER ASTM A681 receive ft	Firmed	-	1/24/20	48 ft	0 ft	48 ft	\$16.25/ft	\$780.00
												Grand Total: \$4,048.38	

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/10/20 12:50 PM Dart.Lavoie.Chantal

579 x 1.350 (L7)
9'9" x 4"

L6
14" x 40

Shipping Order

22/01/2020

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Order : 149625
Reference : pohb045541
Ship : PICK UP / PICK UP

Customer: 6323336

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
MR3441H	4140 HTSR ROU .750 DIA 1 x 22' ht;75070620	22	22	0
MR11841H	4140 HTSR ROU 1.125 DIA 1 x 20' r/l ***** ht;75072955	23.42	23.42	0
DT12083	MS TUB .500" X .083" WALL DOM 4 x 20' r/l ***** ht;mm18106467	81	81	0
SR583	303 ROU .625 DIA 2 x 12' r/l ht;462762	25	25	0
SR13	303 ROU 1.000 DIA 3 x 12' r/l ***** ht;432071	36	36	0
MP124130N	4130 NORM PLATE .500 THICK AMS 6345 40 x 3" x 14" ht;1961550	11.68	11.68	0
TP12A2	A-2 PLATE TFA 1/2" THICK 4 x 1.25" -0+ .0656" x 144" r/l ht;9919020379b-48-1	102	102	0
	livre jp			

DAS
82
9-89

JAN 23 2020

Shipping : _____

Ref. : _____

Package No : _____

Merchandise Received: _____

LINE 5
M303R1.000

H/T 43207-1
S250215

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)
SPECIFICATION: ASTM A582
PART NUMBER: M303R1.000
WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303R0.750

DAS
82
9-05

RELEASED
2010-02-02
JMD

D		REFORMANT DNG. ADD SPECS (ZU Dr-1)		QP	10.01.05
A		NEW ISSUE		DS	01.12.20
REV.	DESCRIPTION	BY	DATE		
DESIGN					
DRAWN					
CHECKED					
MFG. APPR.					
APPROVED					
DE APPR.					
DATE	10.01.05				

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. M303R
TITLE 303 ROUND BAR
REV. B
SHEET 1 OF 1
SCALE NTS
COPYRIGHT © 2001 BY DART AEROSPACE LTD
ALL RIGHTS RESERVED
THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD
AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS
WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD